

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: James A. Proctor, Jr.
Application No.: 10/634,148 Group: 2661
Filed: August 4, 2004 Examiner: Not assigned
Confirmation No.: 5101
For: FORWARD ERROR CORRECTION SCHEME FOR HIGH RATE DATA
EXCHANGE IN A WIRELESS SYSTEM

CERTIFICATE OF MAILING OR TRANSMISSION	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or is being facsimile transmitted to the United States Patent and Trademark Office on:	
1/2/04 Date	Margaret A. Norcuth Signature
Margaret A. Norcuth Typed or printed name of person signing certificate	

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is submitted:

- ☐ under 37 CFR 1.129(a), or
(First/Second submission after Final Rejection)
- ☒ under 37 CFR 1.97(b), or
(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).
- ☐ under 37 CFR 1.97(c) together with either:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, or
- ☐ a \$180.00 fee under 37 CFR 1.17(p), or
(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, and
- ☐ a \$180.00 fee under 37 CFR 1.17(p), or
(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)
- ☐ under 37 CFR 1.97(i):
Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper.
(Filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Statement Under 37 CFR 1.704(d) (Patent Term Adjustment)

Applies to original applications (other than design) filed on or after May 29, 2000

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.
- ☒ Enclosed herewith is form PTO-1449:
- ☒ Copies of the cited references are enclosed.
- ☒ Since this application was filed after June 30, 2003, copies of issued U.S. patents and published U.S. applications are not required and are not being provided.
- ☐ Copies of the cited references are enclosed except those entered in prior application, U.S. Application No. [], to which priority under 35 U.S.C. 120 is claimed. [The earlier application contains copies of the cited references.]
- ☐ The listed references were cited in the enclosed International Search Report in a counterpart foreign application.
- ☒ The "concise explanation" requirement (non-English references) for reference(s) AN2 - AL3 under 37 CFR 1.98(a)(3) is satisfied by:
- ☐ the explanation provided on the attached sheet.
- ☐ the explanation provided in the Specification.
- ☐ submission of the enclosed International Search Report.
- ☐ submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.
- ☒ the enclosed English language abstract.

☐ Applicant requests that the following non-published pending applications be considered:

Examiner's
Initials

____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []

Examiner

Date

- ☐ A copy of each above-cited application, including the current claims, is enclosed.
- ☐ A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [], to which priority under 35 U.S.C. 120 is claimed.

The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

It is requested that the information disclosed herein be made of record in this application.

Method of payment:

- ☐ A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.
- ☐ Please charge Deposit Account 08-0380 in the amount of \$[]. A copy of this Statement is enclosed.
- ☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

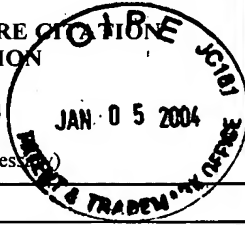
By 

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Concord, MA 01742-9133

Dated: 1/2/04


PTO-1449 REPRODUCED		ATTORNEY DOCKET NO. 2479.1030-005	APPLICATION NO. 10/634,148	
INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION January 2, 2004 (Use several sheets if necessary)		APPLICANT James A. Proctor, Jr.		
		FILING DATE 08/04/03	CONFIRMATION NO. 5101	GROUP 2661



U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER	ISSUE DATE / PUBLICATION DATE	NAME
	AA	5,777,990	07/07/98	Zehavi et al.
	AB	5,825,807	10/20/98	Kumar
	AC	4,460,992	07/17/84	Gutleber
	AD	4,625,308	11/25/86	Kim, <i>et al.</i>
	AE	4,862,453	08/29/89	West, <i>et al.</i>
	AF	4,866,709	09/12/89	West, <i>et al.</i>
	AG	5,027,348	06/25/91	Curry, <i>et al.</i>
	AH	5,103,459	04/07/92	Gilhousen, <i>et al.</i>
	AI	5,115,309	05/19/92	Hang
	AJ	5,394,473	02/28/95	Davidson
	AK	5,487,072	01/23/96	Kant
	AA2	5,559,788	09/24/96	Zscheile, Jr. <i>et al.</i>
	AB2	5,606,574	02/25/97	Hasegawa, <i>et al.</i>
	AC2	5,663,958	09/02/97	Ward
	AD2	5,699,364	12/16/97	Sato, <i>et al.</i>
	AE2	5,699,369	12/16/97	Guha
	AF2	5,781,542	07/14/98	Tanaka, <i>et al.</i>
	AG2	5,805,567	09/08/98	Ramesh
	AH2	5,559,790	09/24/96	Yano et al.

EXAMINER	DATE CONSIDERED
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PTO-1449 REPRODUCED		ATTORNEY DOCKET NO. 2479.1030-005		APPLICATION NO. 10/634,148	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION					
January 2, 2004 (Use several sheets if necessary)					
		APPLICANT James A. Proctor, Jr.		FILING DATE 08/04/03	
		CONFIRMATION NO. 5101		GROUP 2661	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO	
	AL	WO 98/43373	01 Oct 1998	PCT		
	AM	WO 99/14878	25 Mar 1999	PCT		
	AN	WO 96/13914	09 May 1996	PCT		
	AO	WO 98/59447	30 Dec 1998	PCT		
	AP	WO 99/39472	05 Aug 1999	PCT		
	AQ	WO 99/44341	02 Sep 1999	PCT		
	AL2	WO 00/52831	08 Sep 2000	PCT		
	AM2	WO 00/65764	02 Nov 2000	PCT		
	AN2	0 443 061 A1	21 Feb 1990	Europe (English Abstract)		
	AO2	0 635 949 A1	18 Jul 1994	Europe (English Abstract)		
	AP2	0 827 312 A2	04 Mar 1998	Europe (English Abstract)		
	AQ2	2 266 389	02 Apr 1974	France (English Abstract)		
	AL3	2 761 557	28 Mar 1997	France (English Abstract)		

EXAMINER	DATE CONSIDERED
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		FILING DATE 08/04/03		CONFIRMATION NO. 5101	
				GROUP 2661	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Author Unknown, "North American Cellular System Based On Code Division Multiple Access." pp. 203-254.
AS	Lin, S., <i>et al.</i> , "Automatic-Repeat-Request Error-Control Schemes," <i>IEEE Communications Magazine</i> , 22(12): pp.5-17 (December 1984).
AT	Hagenauer, J., "Rate-Compatible Punctured Convolutional Codes (RCPC Codes) and their Applications," <i>IEEE Transactions on Communications</i> , 36(4): pp. 389-400 (April, 1988).
AU	Shacham, N., "A Selective-Repeat-ARQ Protocol for Parallel Channels and Its Resequencing Analysis," <i>IEEE Transactions on Communications</i> , 40(4): pp. 773-782 (April, 1992).
AV	Wang, B.C., <i>et al.</i> , "Spread Spectrum Multiple-Access with DPSK Modulation and Diversity for Image Transmission over Indoor Radio Multipath Fading Channels," <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 6(2): 200-214 (1996).
AW	Goodman, David J., <i>Wireless Personal Communications Systems</i> , Addison-Wesley, 1997, pp. 203-254, 368-372.
AX	
AY	
AZ	
AR2	
AS2	
AW2	
AX2	
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EXAMINER	DATE CONSIDERED
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